

WHAT IS CLAIMED IS:

1. An energy supply device for a mortar comprising:

a housing;

a driven rotary shaft including a cylindrical shaft surface rotatably disposed within a stationary cylindrical bearing surface in the housing;
5 and

a fan connected to the shaft for rotating the shaft in a single direction of rotation in a speed range of 30,000-50,000 rpm;

one of the cylindrical bearing surface and the cylindrical shaft surface comprising a destructible coating of polytetrafluoroethylene having a
10 thickness in the range of 0.02-0.03 mm, and being destructible in response to rotation of the shaft in the speed range for a period of time no longer than 5 minutes.

2. The energy supply device according to claim 1 wherein the period of time is no longer than 2 minutes.

15 3. The energy supply device according to claim 1 wherein the coating is on the stationary bearing surface.

4. A mortar fuse comprising:

a housing;

a body mounted in the housing for rotation and carrying a detonator;

a driven rotary shaft including a cylindrical shaft surface rotatably disposed within a stationary cylindrical bearing surface in the housing; and

5 a fan connected to the shaft for rotating the shaft in a single direction of rotation in a speed range of 30,000 - 50,000 rpm;

10 one of the cylindrical bearing surface and the cylindrical shaft surface comprising a destructible coating of polytetrafluoroethylene having a thickness in the range of 0.02 - 0.03 mm, and being destructible in response to rotation of the shaft in the speed range for a period of time no longer than 5 minutes.

5. The mortar fuse device according to claim 4 wherein the period of time is no longer than 2 minutes.

6. The mortar fuse device according to claim 4 wherein the coating is on the stationary bearing surface.